

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Pudur Jagadeeswaran

Application No.: 10/525,571

Confirmation No.: 4902

Filed: February 22, 2005

Art Unit: 1657

For: SCREENING METHODS USING ZEBRAFISH  
TO IDENTIFY THROMBOTIC AND ANTI-  
THROMBOTIC COMPOUNDS AND GENES

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Examiner: Ralph J. Gitomer

**RESPONSE TO RESTRICTION REQUIREMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

By this Office Action, the Examiner has required restriction to one of the following inventions under 35 U.S.C. §121 and §372:

- I. Claims 1-7 and 14, drawn to a method of creating vascular wound in a zebrafish.
- II. Claim 16, drawn to a method of causing a thrombus in a zebrafish.
- III. Claim 17, drawn to a method of creating a hemorrhage in the gills of a zebrafish.
- IV. Claims 18, 22 and 23, drawn to a method of measuring clotting or coagulation in a zebrafish.
- V. Claim 36, drawn to a method of identifying a substance that alters thrombosis.
- VI. Claim 46, drawn to a method for identifying a gene associated with coagulation.

The Examiner has further required restriction to one of the following species:

Two distinct methods for creating a uniform vascular wound including:

1. laser irradiation
2. exposure to sodium hydroxide.

Three distinct methods of analyzing coagulation including:

1. laser irradiation
2. exposure to sodium hydroxide
3. determining red cell lysis.

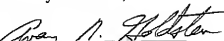
Responsive to the restriction requirement, Applicant elects to prosecute the invention of Group I, with species election of laser irradiation, which read on claims 1-7 and 14, **without** traverse.

Dated:

*June 28, 2007*

Respectfully submitted,

By



Avery N. Goldstein, Ph.D.

Registration No.: 39,204

GIFFORD, KRASS, SPRINKLE, ANDERSON  
& CITKOWSKI, P.C.

2701 Troy Center Drive, Suite 330

Post Office Box 7021

Troy, Michigan 48007-7021

(248) 647-6000

Attorney for Applicant